



AUTOMATIC IDENTIFICATION TECHNOLOGY

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Right Item, Right Time, Right Place, Every Time...
Best Value Solutions for America's Warfighter



Agenda

- > "The Issue"
- > Background
- Maintenance StandardData Elements
- **Common Solution**
- > Road Ahead



AIT is a key enabler



AIT in the Supply Chain

DoD Concentration to Date



Manufacture/ Acquisition **Inbound Transportation**

Supply

Outbound Transportation

Maintenance

Disposition

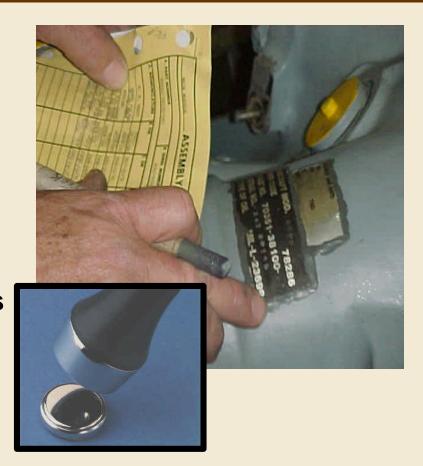
Maintenance activities represent 50% of DoD Log costs and 68% of Log workforce.

AIT supports end-to-end distribution



"The Issue"

- Inaccuracies in Asset Databases
- → Excessive Manual Data Entry
- Time-consuming Processing of Paper
- Poor Identification of Items
- **→** Separation of Paper from Products
- → Aged, Untimely Information



Support condition based maintenance and total lifecycle management



Background

- Navy (NAVAIR) began the process to ensure that data was standard from the Contact Memory Button (CMB) to Naval Logistics Management Information System (NALCOMIS) forms.
- Army rotary-wing aviation (AMATS) did not have a database and were reluctant to participate at first.
- Air Force is currently working on a database for Aviation Maintenance. Will apply to SOCOM CH53 fleet initially.
- DoD AIT Office acted as intermediary to bring Services together.
- Process commenced Aug 2001
- Consensus reached Dec 2001
- Working document delivered to Services Feb 2002



Participants: USN/USMC, Army, A/F, SOCOM



Maintenance Data Element Standardization

- Data Identifiers (DIs) and Data Element Identifiers (DEIs) in MH10 format (Syntax and Semantics)
- Forwarded to DoD Data Dictionary (Functional Administrator)
- Living document!
- Will Utilize MH10 Looping structure...not limited to CMB
- Core Data Elements- Supports all three forms (A/F 95, Army 2410 and NALCOMIS)
- Defined over 120 Data Elements
- Programmers



Manufacturer ID (CAGE, DUNS, UCC.EAN)
Part Number

Traceability Number (Serial #, Lot/Batch #)

DOM - Date of Manufacture

TSN - Time Since New

TSO – Time Since Overhaul

NSN – National Stock Number

Significant Mods/TCTO's/ECP's

Warranty



Common Aviation Solution

- Key Maintenance Enabler
- Increased data accuracy, reporting & reliability
- Links maintainers to Acquisition, Logistics Systems and Combat Systems
- Reduced resource requirement for data correction



Why: So that any Depot Level Repairable is tracked in the Maintenance world throughout the system from any Service!



Aviation Component Tracking

- Configuration and Material Management System
- Life-Cycle Tracking of Components
 - Part number, Serial number, Cage Code and NIIN
- Scheduled Removal Component (SRC) Card Data
- Implemented ECPs/LECPs
- Marking of all major Components in the Squadron level
- Intended to Accommodate CM, Maintenance, Supply Requirements
- Designed to Support Equipment at all Points Throughout the Life Cycle
- Replaces the Manual Logbook



AIT product mark is key



The Road Ahead





Conclusion

With AIT as a <u>key enabler</u> for the Future Logistics Enterprise, it is critical that we quickly and efficiently <u>institutionalize AIT</u> throughout DoD Maintenance...

We are making progress!

We need your help to accelerate that progress!!!

Implementatio

Institutionalizati

Compliance



Back-up Slides

Sample Data Stream:

[)>«RS»06«GS»S12345267989«GS»1P1090GTFR566«GS»17V 12345«GS»1T11MBGTDT6-00«GS»N1234003451234«RS» 07«GS»5299009909«GS»38WIDGET«GS»53TT66BH667788« GS»821234,6«GS»8312345,5«RS»«EOT»